

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2005/000008

A. CLASSIFICATION OF SUBJECT MATTER (IPC) C07D 401/06, A61K 31/365, A61K 31/341, A61K 31/4015, A61K 31/4439, A61P 19/08, C07D 207/26, C07D 307/33

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

(IPC) C07D 401/06, A61K 31/365, A61K 31/341, A61K 31/4015, A61K 31/4439, A61P 19/08, C07D 207/26, C07D 307/33

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)

STN structure search, Canadian Patent Database, ("cathepsin, cysteine protease")

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No(s). |
|-----------|--|--------------------------|
| Y | CA 2477657 (MERCK FROSST CANADA & CO. et al.) 18 September, 2003 (18-09-2003) see entire document | 1 - 12 |
| Y | CA 2212356 (SYNPHAR LABORATORIES INC.) 17 October, 1996 (17-10-1996) see entire document | 1 - 12 |
| Y | CA 2266639 (SYNPHAR LABORATORIES INC.) 26 March, 1998 (26-03-1998) see entire document | 1 - 12 |
| Y | CA 2266849 (SYNPHAR LABORATORIES INC. et al.) 26 March, 1998 (26-03-1998) see entire document | 1 - 12 |
| Y | Zhou, N. E. et al., "3-Acylamino-azetidin-2-one as a novel class of cysteine proteases inhibitors", Bioorganic & Medicinal Chemistry Letters 13 (2003) 139-141 | 1 - 12 |

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :
 "A" document defining the general state of the art which is not considered to be of particular relevance
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 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search

22 March 2005 (22-03-2005)

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